

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	35943	prostaglandin	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:05
S2	0	S1 and (prostaglantin adj F)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:24
S3	463	S1 and (prostaglandin near3 F2)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:24
S4	309	S3 and (prostaglandin near5 alpha)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:25
S5	155	S4 and @ad<="20020611"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:25
S6	83	S5 and inhibit\$	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:30
S7	1836	S1 and PGF	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:30
S8	1272	S7 and @ad<="20020611"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:30
S9	963	S8 and inhibit\$	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:31
S10	18	S9 and PGF2	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:51
S11	97	S6 or S10	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:33

## EAST Search History

S12	9	S11 and mimetic	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:47
S13	8	S11 and peptidomimetic	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:43
S14	4	S11 and (premature adj labor)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:37
S15	5	S11 and (dysmenorrhea)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:34
S16	2962	S1 and (prostaglandin near5 receptor)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:48
S17	519	S16 and (inhibit near5 receptor)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:48
S18	54	S17 and peptide near3 inhibitor	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:48
S19	2	S17 and (peptidomimetic near3 inhibitor)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:49
S20	3216	S1 and (prostaglandin adj analog\$)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:51
S21	233	S20 and (peptide near5 analog\$)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:52
S22	310	S20 and (prostaglandin near5 receptor)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:53
S23	10	S21 and S22	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/28 18:53

## EAST Search History

S24	1	("5126327").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/26 17:08
S25	1	("6613874").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/26 17:12
S26	3	"2006094672"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:13
S27	1	"2006239968"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:13
S28	800	pasqualini	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:14
S29	173	S28 and arap	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:15
S30	0	S29 and PRRSV	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:15
S31	24	S29 and porcine	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:16
S32	114	S29 and (phage adj display)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:16
S33	44	S32 and (targeting adj peptides)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/26 17:20
S34	1	("7175984").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/26 17:20

Peri 10 517 687 = Prostaglandin F2alpha peptidomimetic inhibitors

LOGINID:SSPTAHPY1654

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:40:09 ON 26 FEB 2007

=> file registry

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s [FYW]RS/sqep

GAPS, WILDCARDS, AND BRACKETS ARE INVALID FOR "EXACT" SEQUENCE FIELD CODES.

=> s FRS/sqep

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2602 SQL=3

L1 0 FRS/SQEP

(FRS/SQEP AND SQL=3)

=> s [FYW]RS/sqsp

L2 376081 [FYW]RS/SQSP

=> s L

L3 2172346 L

=> s L2 and SQL=3

2602 SQL=3

L4 0 L2 AND SQL=3

=> s L2 and SQL<=8

359563 SQL<=8

L5 444 L2 AND SQL<=8

=> s L5 and SQL<=5

156097 SQL<=5

L6 106 L5 AND SQL<=5

=> s L6 and SQL<=4

83962 SQL<=4

L7 42 L6 AND SQL<=4

=> d SQL SEQ L7 1-6

L7 ANSWER 1 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN

SQL 4

SEQ 1 YRSV

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HITS AT: 1-3

L7 ANSWER 2 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN

SQL 39,21,17,1

SEQ 1 AGYLLGKINL KALAALAKKI L

SEQ 1 RSKDLRHAFR SMFPSCE

==

HITS AT: 9-11

SEQ 1 C

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

L7 ANSWER 3 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 4

SEQ 1 FFRS

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HITS AT: 2-4

L7 ANSWER 4 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 39,21,17,1

SEQ 1 AGYLLGKINL KALAALAKKI L

SEQ 1 RSKDLRHAFR SMFPSCE

== =

HITS AT: 9-11

SEQ 1 C

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

L7 ANSWER 5 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 4

SEQ 1 LFRS

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HITS AT: 2-4

L7 ANSWER 6 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 4

SEQ 1 QFRS

===

HITS AT: 2-4

ENTER DISPLAY FORMAT (IDE):ide

L7 ANSWER 1 OF 42 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 915224-20-3 REGISTRY  
ED Entered STN: 12 Dec 2006  
CN L-Valine, L-tyrosyl-L-arginyl-L-seryl- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 48: PN: US20060265769 SEQID: 47 unclaimed sequence  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C23 H37 N7 O7  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

FILE 'CAPLUS' ENTERED AT 16:50:04 ON 26 FEB 2007

=> s L7 and USPATENT/dt

34 L7

0 USPATENT/DT

L8 0 L7 AND USPATENT/DT

=> s L7 and PATENT/dt

34 L7

5616246 PATENT/DT

L9 14 L7 AND PATENT/DT

=> dup rem L9

PROCESSING COMPLETED FOR L9

L10 14 DUP REM L9 (0 DUPLICATES REMOVED)

=> d L10 1-14 bib abs

L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:736560 CAPLUS

Correction of: 2006:77270

DN 145:152545

Correction of: 144:144323

TI Genome sequence of human coronavirus HKU1 causing respiratory tract infection and its uses in diagnosis and treatment of infections

IN Yuen, Kwokyoung; Woo, Chiuyat Patrick; Lau, Karpui Susanna; Chan, Kwokhung; Poon, Litman; Peiris, Joseph Sriyal Malik; Guan, Yi

PA The University of Hong Kong, Peop. Rep. China

SO PCT Int. Appl., 285 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006007795	A1	20060126	WO 2005-CN1088	20050720
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	US 2006018923	A1	20060126	US 2004-895064	20040721
	US 2006034853	A1	20060216	US 2005-129741	20050516
PRAI	US 2004-895064	A	20040721		
	US 2005-129741	A	20050516		

AB The present invention provides the complete genomic sequence of a novel human coronavirus, designated as human coronavirus HKU1 (HCoV-HKU1), isolated in Hong Kong. The virus belongs to the order Nidovirales of the family Coronaviridae, being a single-stranded RNA virus of pos. polarity. Further study on nasopharyngeal aspirates from patients with community-acquired pneumonia has revealed that there are two genotypes, genotype A and genotype B, for this virus. In addn. to the genomic sequences of these two genotypes, the invention provides the deduced amino acid sequences of the complete genome of the CoV-HKU1. The nucleotide

sequences and deduced amino acid sequences of the HCoV-HKU1 are useful in preventing, diagnosing, and/or treating the infection by HCoV-HKU1. Furthermore, the invention provides immunogenic and vaccine prepsns. using recombinant and chimeric forms as well as subunits of the HCoV- HKU1 based on the nucleotide sequences and deduced amino acid sequences of the HCoV-HKU1.

L10 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:1225498 CAPLUS

DN 146:1675

TI cDNA and polypeptide sequences of mammalian scaffold protein Gab2 (p97) gene and diagnostic and therapeutic uses thereof

IN Gu, Haihua; Neel, Benjamin G.; Kinet, Jean-Pierre

PA Beth Israel Deaconess Medical Center, Inc., USA

SO U.S. Pat. Appl. Publ., 88pp., Cont.-in-part of U.S. Ser. No. 155,004.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006265769	A1	20061123	US 2005-300682	20051213
	WO 2002059298	A2	20020801	WO 2001-US47854	20011026
	WO 2002059298	A9	20030424		
	WO 2002059298	A3	20031218		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1666595	A1	20060607	EP 2005-76966	20011026
	R:				
	CH, DE, FR, GB, LI, NL, IE, SI, LT, LV, RO, MK, AL				
	US 2004086893	A1	20040506	US 2003-424570	20030425
PRAI	US 2000-243495P	P	20001026		
	WO 2001-US47854	A1	20011026		
	US 2003-424570	A1	20030425		
	US 2005-155004	A2	20050615		
	EP 2001-994203	A3	20011026		
AB	This invention relates to the purifn., cloning and characterization of a gene, Gab2. The invention claims cDNA and protein sequences of mouse Gab2 protein. In response to extracellular stimuli (e.g., cytokines, growth factors, hormones and antigens), Gab2 binds several signal relay mols., including the protein-tyrosine phosphatase SHP-2 and phosphatidylinositol-3-OH kinase (PI-3K), which results in the initiation of multiple signaling cascades. The invention claims Gab2 nucleic acid mols., peptides, vectors, host cells, probes, antibodies, knockout and transgenic animals. The invention also relates to methods of diagnosis, prevention and treatment of Gab2-mediated conditions such as allergic responses, neoplastic disorders, particularly breast cancer, and immune disorders. The invention further relates to diagnostic kits for disorders assocd. with altered Gab2 expression. The Gab2 gene was located by FISH (fluorescence in situ hybridization) on human chromosome 11q13.3-14.2 in a region that is amplified in breast cancers. The Gab2 protein was overexpressed in human breast cancer cell lines and in breast tumor samples. It was tyrosyl phosphorylated in response to EGF stimulation in MDA-MB-486 cells and the Gab2 protein became assocd. with p85 and SHP-2.				

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:149841 CAPLUS  
 DN 144:186074  
 TI Genome sequence of human coronavirus HKU1 causing respiratory tract infection and its uses in diagnosis and treatment of infections  
 IN Yuen, Kwok Yung; Woo, Chiu Yat Patrick; Lau, Kar Pui Susanna; Chan, Kwok Hung  
 PA Peop. Rep. China  
 SO U.S. Pat. Appl. Publ., 231 pp., Cont.-in-part of U.S. Ser. No. 895,064.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006034853	A1	20060216	US 2005-129741	20050516
	US 2006018923	A1	20060126	US 2004-895064	20040721
	WO 2006007795	A1	20060126	WO 2005-CN1088	20050720
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRAI US 2004-895064 A2 20040721  
 US 2005-129741 A 20050516

AB The present invention provides the complete genomic sequence of a novel human coronavirus, designated as human coronavirus HKU1 (HCoV-HKU1), isolated in Hong Kong. The virus belongs to the order Nidovirales of the family Coronaviridae, being a single-stranded RNA virus of pos. polarity. Further study on nasopharyngeal aspirates from patients with community-acquired pneumonia has revealed that there are two genotypes, genotype A and genotype B, for this virus. In addn. to the genomic sequences of these two genotypes, the invention provides the deduced amino acid sequences of the complete genome of the CoV-HKU1. The nucleotide sequences and deduced amino acid sequences of the HCoV-HKU1 are useful in preventing, diagnosing, and/or treating the infection by HCoV-HKU1. Furthermore, the invention provides immunogenic and vaccine prepsns. using recombinant and chimeric forms as well as subunits of the HCoV- HKU1 based on the nucleotide sequences and deduced amino acid sequences of the HCoV-HKU1.

L10 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:485560 CAPLUS  
 DN 141:35462  
 TI In vivo functional assay for proteases using green fluorescent proteins containing inserted cleavage recognition sites  
 IN Menard, Robert; Nagler, Dorit K.; Sulea, Traian  
 PA Can.  
 SO U.S. Pat. Appl. Publ., 29 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004042961	A1	20040304	US 2003-462645	20030617
	CA 2432676	A1	20040131	CA 2003-2432676	20030617



PRAI US 2002-399411P P 20020731

AB There is provided a method of detecting protease activity in an intracellular region of a cell. The method comprises: obtaining a reporter protein having a site susceptible to cleavage by the protease of interest in the intracellular region, introducing the reporter protein into the intracellular region, and assaying the effect on reporter activity obsd. following its entry into the intracellular region. Also provided are protein and nucleotide sequences useful in carrying out the method. Of particular interest are protein and nucleotide sequences relating to mutant forms of green fluorescent protein (GFP) that are useful as a reporter protein in the intracellular protease assay. GFP mutants are engineered contg. (1) cathepsin L cleavage sites (GGGGFFRSGGGG) or (2) caspase 8 cleavage sites (GGGGLETDGGGGG) inserted at two positions between GFP residues 157-158 and 174-175.

L10 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:3450 CAPLUS

DN 140:99617

TI Peptide conjugates with drugs as prodrugs for activation by tissue or cell-specific proteinases

IN Madison, Edwin L.; Semple, Joseph Edward; Vlasuk, George P.; Kemp, Scott Jeffrey; Komandla, Mallareddy; Siev, Daniel Vanna

PA Corvas International, Inc., USA

SO U.S. Pat. Appl. Publ., 359 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2004001801	A1	20040101	US 2002-156214	20020523
PRAI	US 2002-156214		20020523		
OS	MARPAT 140:99617				

AB Conjugates of peptides with drugs that are substrates of a tissue-specific proteinases that can be used to treat diseases assocd. with abnormal levels of the enzyme. The enzyme may be transmembrane serine proteinase, a urokinase, or an endotheliase. The conjugates are to be substrates for proteinases that may be cell- or tissue-specific. The drug moiety of the conjugate may be cytotoxic. The drug may be bound to the peptide by a labile linker that will eliminate itself after the preliminary hydrolysis.

L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:77232 CAPLUS

DN 139:290595

TI Host susceptibility factor(s) for porcine reproductive and respiratory syndrome virus and uses in swine breeding, as a target for antiviral compounds, and development of a non-simian recombinant cell line for propagation of the virus

IN Kapil, Sanjay; Shanmukhappa, Kumar

PA USA

SO U.S. Pat. Appl. Publ., 45 pp., Cont.-in-part of U.S. Ser. No. 772,044.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2003186236	A1	20031002	US 2002-58597	20020128
	US 7175984	B2	20070213		
	US 2003165814	A1	20030904	US 2001-772044	20010129
	US 6740490	B2	20040525		
	JP 2005507634	T	20050324	JP 2002-561492	20020129
PRAI	US 2001-772044	A2	20010129		

US 2002-58597 A 20020128  
WO 2002-US2868 W 20020129

AB Porcine reproductive and respiratory syndrome virus (PRRSV) causes serious economic losses in swine. The present invention detd. that CD151, also known as platelet endothelial tetraspan antigen PETA3, is a susceptibility factor for PRRSV infection by transfecting a cell line which is not susceptible to PRRSV infection (BHK-21) with CD151, which rendered the cell line susceptible. Because CD151 can be accessed in cellular material including blood platelets and germplasm, the present invention provides a non-invasive method of screening different swine for susceptibility to PRRSV, thereby improving breeding plans. In the case of a valuable animal, results from such screening can indicate any offspring's susceptibility to PRRSV. Addnl., the viral RNA-CD151 interaction possesses high affinity and can be used as a tool to detect anti-viral compds. which can be further improved by using combinatorial chem. Accordingly, anti-viral compds. that can block the viral RNA-CD151 interaction can be developed. Advantageously, transfection of CD151 into non-simian cell lines can confer susceptibility to PRRSV and these recombinant cell lines can be used for prepn. of biologics that will avoid simian cell lines which could be a source of primate viruses in xenotransplanted organs from pigs. Finally, the present invention describes the basic mechanism by which the virus RNA enters a target cell. This novel class of proteins is termed viral RNA entry proteins and a novel class of compds. named anti-RNA Entry Proteins can be used to block the entry of viral RNA, thereby preventing viral infections.

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:869212 CAPLUS

DN 137:366003

TI Peptide-immobilized baseplate, and its use for assaying target protein

IN Nokihara, Kiyoshi; Mihara, Hisakazu

PA Japan

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002090985	A1	20021114	WO 2002-JP4426	20020507
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	EP 1403640	A1	20040331	EP 2002-724696	20020507
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	US 2005084902	A1	20050421	US 2003-476861	20020507
PRAI	JP 2001-136606	A	20010507		
	JP 2002-1759	A	20020108		
	WO 2002-JP4426	W	20020507		

AB A peptide-immobilized baseplate for assaying a target protein is disclosed, with which the immobilized peptide is maintained in a structure necessary for being recognized by the target protein; an accurate loading quantity is achieved; and the target protein in a microquantity is accurately and conveniently assayed. This peptide-immobilized baseplate for assaying a target protein comprises a chem. synthesized peptide immobilized on the baseplate. The immobilized peptide is possessed with an expected steric structure or capable of binding to the target protein.

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:594870 CAPLUS  
 DN 137:153383  
 TI CD151 host susceptibility factor for porcine reproductive and respiratory syndrome virus and its uses for improved swine breeding, non-simian recombinant cell line for propagation of the virus and as a target for antiviral compounds  
 IN Kapil, Sanjay; Shanmukhappa, Kumar  
 PA Kansas State University Research Foundation, USA  
 SO PCT Int. Appl., 77 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060924	A2	20020808	WO 2002-US2868	20020129
	WO 2002060924	A3	20021017		
	WO 2002060924	A9	20021205		
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	US 2003165814	A1	20030904	US 2001-772044	20010129
	US 6740490	B2	20040525		
	AU 2002248394	A1	20020812	AU 2002-248394	20020129
	JP 2005507634	T	20050324	JP 2002-561492	20020129
PRAI	US 2001-772044	A	20010129		
	US 2002-58597	A	20020128		
	WO 2002-US2868	W	20020129		

AB Porcine reproductive and respiratory syndrome virus (PRRSV) causes serious economic losses in swine. The present invention detd. that CD151 (also known as platelet-endothelial cell tetraspan antigen-3, PETA-3) is a susceptibility factor for PRRSV infection by transfecting a cell line which is not susceptible to PRRSV infection (BHK-21) with CD151, which rendered the cell line susceptible. Because CD151 can be accessed in cellular material including blood platelets and germ plasm, the present invention provides a non-invasive method of screening different swine for susceptibility to PRRSV, thereby improving breeding plans. In the case of a valuable animal, results from such screening can indicate any offspring's susceptibility to PRRSV. Addnl., the viral RNA-CD151 interaction possesses high affinity and can be used as a tool to detect antiviral compds. which can be further improved by using combinatorial chem. Accordingly, antiviral compds. that can block the viral RNA-CD 151 interaction can be developed. Advantageously, transfection of CD151 into non-simian cell lines can confer susceptibility to PRRSV and these recombinant cell lines can be used for prepn. of biologics that will avoid simian cell lines which could be a source of primate viruses in xenotransplanted organs from pigs. Finally, the present inventions describes the basic mechanism by which the virus RNA enters a target cell. This novel class of proteins is termed viral RNA entry proteins and a novel class of compds. named anti-RNA Entry Proteins can be used to block the entry of viral RNA, thereby preventing viral infections.

L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:185277 CAPLUS  
 DN 136:242899  
 TI Phage display libraries and methods for identifying targeting peptides in

humans in vivo  
 IN Arap, Wadih; Pasqualini, Renata  
 PA Board of Regents, the University of Texas System, USA  
 SO PCT Int. Appl., 269 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020723	A2	20020314	WO 2001-US28044	20010907
	WO 2002020723	A3	20020829		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2421195	A1	20020314	CA 2001-2421195	20010907
	AU 2001090662	A5	20020322	AU 2001-90662	20010907
	EP 1315830	A2	20030604	EP 2001-970681	20010907
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004533803	T	20041111	JP 2002-525730	20010907
	CA 2496938	A1	20040311	CA 2002-2496938	20021030
	WO 2004020999	A1	20040311	WO 2002-US34987	20021030
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002364501	A1	20040319	AU 2002-364501	20021030
	EP 1546714	A1	20050629	EP 2002-799873	20021030
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 2006094672	A1	20060504	US 2004-489071	20041013
	US 2006239968	A1	20061026	US 2006-530168	20060223
PRAI	US 2000-231266P	P	20000908		
	US 2001-765101	A	20010117		
	US 2001-97651	A	20010117		
	WO 2001-US28044	W	20010907		
	WO 2002-US27836	A	20020830		
	WO 2002-US34987	W	20021030		
AB	The present invention concerns methods and compns. for identifying human targeting peptides sequences. The methods used for phage display biopanning in the mouse model system require substantial improvements for use with humans. In general, humans suitable for use with phage display are either brain dead or terminal wean patients. The amt. of phage library (preferably primary library) required for administration must be significantly increased, preferably 5 orders of magnitude to 1014 TU or higher, preferably administered i.v. in .apprx.200 mL of Ringer lactate soln. over about a 10-min period. To produce such large phage libraries, the transformed bacterial pellets recovered from up to 500-1000 transformations are amplified up to 10 times in the bacterial host, recovering the phage from each round of amplification and adding LB Tet				

medium to the bacterial pellet for collection of addnl. phage. Samples of various organs and tissues are collected starting .apprx.15 min after injection of the phage library; samples are processed and phage collected from each organ, tissue or cell type of interest for DNA sequencing to det. the amino acid sequences of targeting peptides. A substantial improvement in the biopanning technique involves polyorgan targeting. It is possible to pool phage collected from multiple organs after a first round of biopanning and inject the pooled sample into a new subject, where each of the multiple organs may be collected for phage rescue, and the protocol repeated for as many rounds of biopanning as desired. In this manner, it is possible to significantly reduce the no. of subjects required for isolation of targeting peptides for multiple organs, while still achieving substantial enrichment of the organ-homing phage. Thus, 320 targeting peptides are identified with specificity for bone marrow, adipose tissue, skeletal muscle, prostate, skin, or multiple organs. The peptides are of use for targeted delivery of therapeutic agents, including gene therapy vectors. Such targeted delivery may be used for detection, diagnosis or treatment of human diseases. In certain embodiments, the peptide may be attached to an imaging agent and administered to a human to obtain an image or to diagnose a disease state. Also disclosed are a large no. of targeting peptide sequences and consensus motifs that are selective for human organs or tissues, obtained by the methods of the present invention.

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2000:707211 CAPLUS  
 DN 133:267160  
 TI Preparation of cyclic peptides as melanocortin receptor ligands  
 IN Mazur, Adam Wieslaw; Wang, Feng; Sheldon, Russell James; Ebetino, Frank Hal  
 PA The Procter & Gamble Company, USA  
 SO PCT Int. Appl., 66 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000058361	A1	20001005	WO 2000-US7473	20000321
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2368431	A1	20001005	CA 2000-2368431	20000321
	CA 2368431	C	20060124		
	AU 2000040179	A	20001016	AU 2000-40179	20000321
	AU 763510	B2	20030724		
	EP 1165613	A1	20020102	EP 2000-919500	20000321
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000009497	A	20020115	BR 2000-9497	20000321
	TR 200102765	T2	20020521	TR 2001-2765	20000321
	HU 200202203	A2	20021028	HU 2002-2203	20000321
	JP 2002542159	T	20021210	JP 2000-608653	20000321
	RU 2213098	C2	20030927	RU 2001-128890	20000321
	NZ 514141	A	20040130	NZ 2000-514141	20000321
	TW 250990	B	20060311	TW 2000-89105726	20000328
	US 6613874	B1	20030902	US 2000-537789	20000329
	ZA 2001007411	A	20020312	ZA 2001-7411	20010907

NO 2001004568	A	20011129	NO 2001-4568	20010920
US 2004023859	A1	20040205	US 2003-612104	20030702
US 6951916	B2	20051004		
PRAI US 1999-126673P	P	19990329		
WO 2000-US7473	W	20000321		
US 2000-537789	A1	20000329		
OS MARPAT 133:267160				
GI				

AB Cyclic peptide analogs I [m, n, q = 0-4; p = 0-5; X, E, Z = H, halo, OH, SH, NH<sub>2</sub>, alkyl, cyano, nitro, aryl, heteroaryl, etc.; D = (un)substituted guanidino; R<sub>1</sub>, R<sub>1</sub>' = H, alkyl, aryl, heteroaryl or CR<sub>1</sub>R<sub>1</sub>' = cycloalkyl or aryl; G = optionally substituted bicyclic aryl or heteroaryl; R, R<sub>11</sub> = H, alkyl, alkene, alkyne, aryl, heteroaryl, cycloalkyl or R and R<sub>11</sub> may join together to form a ring; W = covalent bond, CH<sub>2</sub>, CO; M' = N, CH; B is an optionally substituted bridge moiety that links M' and W to form a ring and comprises a covalent bond or a ionic bond which may be substituted by .ltoreq. 3 amino acid residues] were prepd. for use in treating diseases that are mediated by the melanocortin (MC)-4 and/or the MC-3 receptor. Thus, Ac-a[DYfRWGK]-NH<sub>2</sub> (brackets denote amino acid points of cyclization) was prepd. by the solid-phase method and evaluated for melanocortin functional activity and selectivity.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2001:677356 CAPLUS  
DN 135:195790  
TI Preparation of peptides which inhibit human tissue kallikrein and the liberation of kinins  
IN De Nucci, Gilberto; Juliano Neto, Luiz; Giuseppe, Caliendo; Vincenzo, Santagada  
PA Laboratorios Biosintetica Ltda, Brazil; Universidade Federal de Sao Paulo -UNIFESP  
SO Braz. Pedido PI, 11 pp.  
CODEN: BPXXDX  
DT Patent  
LA Portuguese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	BR 9900694	A	20001017	BR 1999-694	19990308
PRAI	BR 1999-694		19990308		
AB	Analogues of o-H <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> CO-Phe-Arg-Arg-Pro-NHCH <sub>2</sub> CH <sub>2</sub> NHC <sub>6</sub> H <sub>3</sub> (NO <sub>2</sub> ) <sub>2</sub> -2,4 and peptides PhCH <sub>2</sub> CO-X-Ser-Arg-NH <sub>2</sub> (X represents certain non-natural amino acids) were prepd. as inhibitors of human tissue kallikrein and the liberation of kinins for use as inflammation inhibitors and analgesics. Thirty claimed compds. were prepd. by the solid-phase method.				

L10 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1999:297439 CAPLUS  
DN 130:297010  
TI Preparation of cyclic peptides having broad spectrum antimicrobial activity  
IN Chang, Conway; Gu, Leo; Chen, Jie  
PA Intrabiotics Pharmaceuticals, Inc., USA  
SO PCT Int. Appl., 167 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9921879	A1	19990506	WO 1997-US19557	19971027
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9851535	A	19990517	AU 1998-51535	19971027
PRAI	WO 1997-US19557	A	19971027		
GI					

AB The present invention provides cyclic peptides I [m = 0-2, n = 0-1, with the proviso that when m = 2, n = 0; X21, X22, X24, X25, X27, X28 are each independently present or absent; X7 and X4 are either both present or both absent; X8 and X3 are either both present or both absent; X2-X5, X7, X8, X13, X14, X16-X19, X21, X22, X27, X28 independently = hydrophobic amino acid, hydrophilic amino acid, small amino acid, with provisos (i) when X2 = hydrophobic amino acid, X7, X14, X19, X21, and X28 independently = hydrophobic amino acid or small amino acid and X3, X8, X13, X18, X22 and X27 independently = hydrophilic amino acid or small amino acid and (ii) when X2 = hydrophilic amino acid X7, X14, X19, X21, and X28 independently = hydrophilic amino acid or small amino acid and X3, X8, X13, X18, X22 and X27 independently = hydrophobic amino acid or small amino acid; X23-X26 taken together = loop; Z1, Z6, Z5, Z20 independently = hydrophilic amino acid, small amino acid, cysteine-like amino acid; X9-X12 taken together = .beta.-turn; at least one of X9-X12, X23-X26 = basic amino acid; and wherein the peptide has net pos. charge at physiol. pH] comprising and amphiphilic antiparallel .beta.-sheet region, a loop region, and a .beta.-turn region having broad spectrum antimicrobial activity. The peptides exhibit improved efficacy, bioavailability and/or serum half-life as compared with non-cyclized analogs. Thus, cystine-contg. cyclopeptide II inhibited Pseudomonas aeruginosa with MIC = 8 .mu.g/mL and methicillin-resistant Staphylococcus aureus with MIC = 2 .mu.g/mL compared to 32 .mu.g/mL against both bacteria for the uncyclized peptide. In addn., II showed increased activities after 15 min and 120 min relative to the uncyclized peptide.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1992:551397 CAPLUS  
DN 117:151397  
TI Preparation of peptides as kininogenase inhibitors.  
IN Szelke, Michael; Evans, David Michael; Jones, David Michael  
PA Ferring Peptide Research Partnership KB, Swed.  
SO PCT Int. Appl., 68 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9204371 A1 19920319 WO 1991-GB1479 19910902  
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP,  
KR, LK, LU, MC, MG, MN, MW, NL, NO, PL, RO, SD, SE, SU, US  
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,  
GR, IT, LU, ML, MR, NL, SE, SN, TD, TG  
AU 9184387 A 19920330 AU 1991-84387 19910902  
HU 64084 A2 19931129 HU 1993-610 19910902  
JP 06501461 T 19940217 JP 1991-514802 19910902  
EP 652893 A1 19950517 EP 1991-915557 19910902  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
ZA 9107096 A 19920429 ZA 1991-7096 19910906  
NO 9300731 A 19930507 NO 1993-731 19930226  
PRAI GB 1990-19558 A 19900907  
WO 1991-GB1479 A 19910902  
OS MARPAT 117:151397  
GI

AB The title compds. [I; R = H, alkyl; R1 = basic amino acid side chain; A = terminal amino acyl, terminal imino acyl; B = D- or L- amino acid residue; Y = binding enhancing or carbonyl activating group preferably selected from H, alkyl, fluoroalkyl, etc.; with provisos], useful as kininogenase inhibitors (no data), are prepd. BOC-Arg(Z)2-OH (Z = benzyloxycarbonyl) was condensed with ClCO2Bu-i, the product was deprotected and then condensed with BOC-Cha-ONSu (Cha = 3-cyclohexylphenylalanine residue), the product was deprotected and then reacted with Z(NMe)-D-Phe-OH, the product was treated with Dess Martin Periodinane, and the product was hydrogenated over Pd/C to give MeD-Phe-Cha-Arg-H.

L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1991:423204 CAPLUS

DN 115:23204

TI Melanocyte-stimulating hormone inhibitor and external preparation containing the same

IN Takeuchi, Takuji; Sato, Chikara; Oba, Kenkichi; Sugiyama, Keikichi

PA Lion Corp., Japan

SO Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 389950	A1	19901003	EP 1990-105354	19900321
	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	US 5126327	A	19920630	US 1990-497191	19900322
	JP 03123716	A	19910527	JP 1990-74078	19900323
	JP 03123717	A	19910527	JP 1990-74079	19900323
PRAI	JP 1989-71215	A	19890323		
	JP 1989-93643	A	19890413		

OS MARPAT 115:23204

AB A MSH inhibitor contains the amino acid sequence -His-Ser-Arg-Trp-, -Trp-Arg-Ser-His-, or -Leu-Ala-Cys-Ala-Arg-. The MSH inhibitor in an external prepn. is applied to the skin to treat chloasmata and freckles. Peptide Ac-Met-Glu-His-Ser-Arg-Trp-Gly-Lys-NH2 inhibited eumelanin prodn. stimulated by .alpha.-MSH at hair follicles of yellow-mice skin grafts. Various creams, lotions, and beauty essence formulations are presented.

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL



FULL ESTIMATED COST	ENTRY 45.05	SESSION 149.18
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-10.92	-10.92

FILE 'STNGUIDE' ENTERED AT 16:52:09 ON 26 FEB 2007